SECRET

[redacted]

25X1

Monthly Report

PAR 249

31 Mar 69

25X1 SUBJECT: [redacted] Precision Enlarger Prototype (BPE) Operational Improvements and Maintenance

TASK/PROBLEM

1. Provide photographic enlarger maintenance at the customer's 25X1 facility for one [redacted] Precision Enlarger (BPE) and three 10-20-40X Enlargers.

DISCUSSION

2. Contractor personnel visited the customer's facility during the week beginning 3 March 1969 to perform the monthly preventive maintenance check on the BPE. (See check list attached indicating the work performed.)

3. During this visit, the "D" lens that had been repaired at the contractor's facility (see report for February 1969) was delivered to the customer. The lens was checked to the customer's satisfaction and accepted.

4. The easel face of the BPE needs painting badly. Operators typically tape friskets to the easel face when doing production work, and when the tape is removed, the paint peels with the adhesive. It was suggested to the customer that the spare easel be used while the old easel was being repaired.

5. The customer experienced the third blown fuse in the X-Coordinate Decitrak unit. This problem plus the frequency of display-lamp burnout in the Decitrak units have become a matter of customer concern. As a result, both of these problems are now being investigated by the contractor.

PLANNED ACTIVITY

6. Contractor personnel will visit the customer's facility during the week beginning 7 April to perform 6-month preventive maintenance (PM) on the BPE and 2-month PM on the 10-20-40X Enlargers.

SECRET

PREVENTIVE MAINTENANCE SCHEDULE CHECK LIST

25X1 | [ ] PRECISION ENLARGER

25X1 Assigned to: [ ] Date 5 March 1969 Machine Serial No. [ ] 25X1

√	Item	Description

Daily Interval

√	1	Check the four indicator lamps on the sub-control panel.
√	2.1	Check closed-negative-gate interlock.
	2.2	Check interlock that causes vertical transport slow speed.
	2.3	Check interlock that disables negative transport after fluid injection.
√	2.4	Check operation of microswitch that functions when manual-film-movement knob is pushed in.
	3.1	Check the indicator lamps for the two attenuator banks of the easel photometer.
	3.2	Check the meter scale illuminator lamp of the easel photometer.
	3.3	Check the antifatigue lamp in photo-multiplier tube housing.
√	4	Clean the glass plates of the negative gate.

One-Week Interval

√	1	Vacuum-clean the enlarger.
	2	Check, and if necessary, clean the objective lenses and all glass filters.
√	3	Vacuum-clean the front surface of the easel.
√	4	Check the fiber optics for broken fibers.

√	Item	Description

One-Month Interval

√	1	Wax the steel rails of the lens ramp and of the easel.
√	2	Install new air filter in lamphouse.
√	3	Clean the nylon brushes of the fluid removal system.
√	4	Check all tubing and hoses for cracks and air leakage.
√	5	Check and, if necessary, clean the lenses of the condenser lens assemblies.

Six-Month Interval

	1.1	Make a photographic check on all six matching sets of objective and condenser lens assemblies.
	1.2	Be sure that film is tracking properly in both directions on the negative transport system.
	2	Check the timing belts of the film transport system, of the vertical drive system, and of the easel drive assembly for wear.

Checked by: [ ] Date 5 Mar 69 25X1

Changed 2/68

REMARKS:

Paint on the easel face has been "picked off" in several places because operators tape frisketts to the easel; this problem was brought to the attention

25X1 [ ] who is in charge in the absence of [ ] 25X1